



SECTION A-A

Scale: None

\* Measured  $\perp$  to  $\phi$  of Bearing.  
 \*\* Measured  $\perp$  to  $\phi$  of Bearing at  
 Edge of Bearing Stiffener.

Span = S	Depth of Diaphragm = d	Re-bars "A"	Re-bars "B"	Ties "C"
Up to 8'	1'-11"	3-#7's	3-#7's	#5 @ 9" Maximum Spacing Place $\perp$ to $\phi$ Bearing
over 8' to 11'	1'-11"	3-#8's	3-#8's	
over 11' to 14'	2'-0"	3-#8's	3-#8's	
over 14' to 16'	2'-1"	3-#9's	3-#9's	

Note:

1. Studs and anchors for seal retainer angle, not shown.
2. All reinforcing steel sizes and spacings based on ASTM A-615, Grade 60  
 $f_y = 60$  ksi.
3. For Section B-B, see Standard No. BR-SS(8.12)-85-170.

APPROVAL	
<i>L. S. Friedman</i>	DIRECTOR
OFFICE OF BRIDGE DEVEL.	
DATE: 10/15/80	
REVISIONS	
SHA	FHWA
2-14-00	.
1-22-01	.
10-9-07	.
7-18-94	.

FHWA APPROVAL  
 DATE: 6-8-90

STATE OF MARYLAND  
 DEPARTMENT OF TRANSPORTATION  
 STATE HIGHWAY ADMINISTRATION  
 OFFICE OF BRIDGE DEVELOPMENT

CONCRETE DIAPHRAGMS AT PIERS (WITH  
 EXPANSION JOINTS) AND AT ALL ABUTMENTS

STANDARD NO. BR-SS(6.22)-80-120

SHEET 2 OF 2